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SEEDS

for the

NURSERYMAN

AND

FORESTER

1955-1956

F. W. SCHUMACHER

HORTICULTURIST

SANDWICH, MASS.

Telephone SAGAMORE 659



TERMS

Deliveries are subject to yield of crops and safe arrival of consignments.

It is not possible to have all items listed available at all times. A number of perishable seeds cannot be stored successfully and must be ordered in season. All seeds are offered subject to crop failures or short supplies.

Seeds are sold without warranty, expressed or implied as to description and productiveness. **Goods** should be carefully inspected upon arrival and claims for conditions made at once. We cannot consider claims after seeds have been stored or planted.

All shipments travel at buyer's risk and claims for damages in transit must be taken up with carriers.

CAUTION — While it is true that plants grown from seed of horticultural varieties often yield superior plant material in comparison to that grown from nondescript seed, we wish to emphasize that seeds of such varieties or hybrids, with few exceptions, cannot be expected to come true to name. They are offered here for the convenience of competent plantsmen, for research and breeding work only.

CUSTOMERS OTHER THAN PROFESSIONALS — please note that their orders for pound lots will be handled in line with all others. Orders for small quantities of assorted items must wait their turn to be filled after arrival of respective items from sources. We suggest that such orders be placed with us prior to March 1st. During the busy spring and fall shipping seasons orders for small amounts of seeds cannot be filled promptly. Please confine correspondence concerning small orders to the most necessary and attach a stamped return envelope if your inquiry does not concern an order. The right is reserved to return orders received in excess of our facilities.

PRICES — subject to change without notice, are f.o.b. Sandwich, Mass.

PAYMENT — for customers of approved credit upon receipt of invoice. A cash discount of 3% is allowed on all orders amounting to \$10.00 or more. For orders or shipments requested for less than \$5.00, please remit \$.50 extra for handling. Please include postage charges in your remittance together with charges for packing, 5% for all items in pound lots or over. Packing is charged at cost.

ORDERING — We request that written orders be a separate part of any correspondence and clearly show amount and price of each item listed. Quantities smaller than listed cannot be supplied.

CERTIFICATION — See Notes of Interest page.

ABBREVIATION — N.E. stands for New England seed, a sign of hardiness; d.b. for dried berries; asterisk (*) denotes new or insufficiently known plants of merit; **CERT.** for seeds certified to us as to origin by sources of long standing.

WE ARE IN THE MARKET FOR TREE AND SHRUB SEEDS OF ALL KINDS.

	oz.	¼ lb.	lb.
ABIES alba (pectinata).....	.45	.80	2.00
<i>amabilis</i> .....	.80	2.30	6.25
<i>balsamea</i> .....	.75	2.00	5.75
<i>cephalonica</i> .....	.50	1.00	2.75
<i>cilicica</i> .....	.50	1.10	3.00
<i>concolor</i> , California (<i>lowiana</i>).....	.65	1.75	5.00
<i>concolor</i> , Colorado.....	.50	1.35	3.75
<i>firma</i> .....	.50	1.10	3.00
<i>fraseri</i> .....	.85	2.35	6.50
<i>grandis</i> .....	.85	2.35	6.50
<i>homolepis</i> .....	.65	1.70	4.75
<i>lasiocarpa</i> .....	.80	2.25	6.00
<i>lasiocarpa arizonica</i>.....	.85	2.35	6.50
<i>magnifica</i> .....	.70	2.00	5.75
<i>nordmanniana</i>, .....	.50	1.00	2.75
<i>pinsapo</i> .....	.45	.90	2.35
<i>pinsapo glauca</i>.....	.50	1.10	3.00
<i>procera</i> (<i>nobilis</i>).....	1.00	2.75	7.50
<i>veitchi</i> .....	.65	1.70	4.75
ACACIA armata	1.10	3.00	
<i>baileyana</i> .....	.60	1.65	4.50
<i>cultriformis</i> .....	.65	1.75	5.00
<i>cyanophylla</i> .....	.50	.90	2.50
<i>cyclops</i> .....	.60	1.65	4.50
<i>decurrens</i> .....	.50	1.10	3.00
<i>decurrens dealbata</i>.....	.50	1.00	2.75
<i>decurrens dealbata</i> , fast growing cultural selection.....	.65	1.75	5.00
<i>decurrens mollis</i> (<i>mollissima</i>).....	.40	.85	2.25
<i>farnesiana</i> .....	.50	1.00	2.75
<i>horrida</i> .....	.50	1.25	3.50
<i>longifolia</i> .....	.60	1.65	4.50
<i>melanoxylon</i> .....	.50	1.25	3.50
<i>pycnantha</i> .....	.50	1.30	3.75
<i>retinodes floribunda</i>.....	.50	1.10	3.00
<i>saligna</i> .....	.45	.80	2.00
ACER argutum.....	.60	1.65	4.50
<i>campestre</i> .....		.45	.75
<i>carpinifolium</i> .....	.80	2.20	6.00
<i>cissifolium</i> .....	.60	1.65	4.50
<i>crataegifolium</i> .....	.55	1.40	4.00
<i>davidi</i>	1.25	3.50	
<i>diabolicum</i> .....	.50	1.25	3.50
<i>ginnala</i> .....	.50	1.10	3.00
<i>japonicum</i> .....	.65	1.70	4.75
<i>monspessulanum</i> .....	.45	.70	2.00
<i>negundo</i> .....		.50	1.00
<i>palmatum</i> , small seeded.....	.60	1.65	4.50
<i>palmatum</i> , from garden specimens.....	.65	1.75	5.00
<i>palmatum atropurpureum</i>.....	.95	2.50	7.00
<i>palmatum atropurpureum dissectum</i>	2.00	5.40	15.00
<i>platanoides</i> .....		.50	1.25
<i>rubrum</i> , Northern crop.....		1.10	3.00
<i>rufinerve</i> .....	.50	1.40	4.00
ADENANTHERA pavonina.....	.70	2.00	
AILANTHUS altissima (<i>glandulosa</i>).....			.75

	oz.	$\frac{1}{4}$ lb.	lb.
AKEBIA <i>quinata</i>.....	.50	1.10	3.00
<i>lobata</i> .....	.50	1.10	3.00
ALBIZZIA <i>julibrissin</i>.....		.50	1.00
<i>lophanta</i> .....	.50	1.00	2.75
ALNUS <i>cordata</i>.....	.50	.90	2.50
<i>glutinosa</i> .....		.60	1.50
<i>incana</i> .....		.65	1.75
<i>japonica</i> .....	.50	1.10	3.00
<i>rugosa</i> , N. E.....	.50	1.10	3.00
AMELANCHIER <i>canadensis</i> , d.b.....	.65	1.75	5.00
<i>stolonifera</i> , d.b.....	1.00	2.20	6.00
<i>vulgaris</i> , clean.....	1.00	2.20	6.00
AMPELOPSIS (see also <i>Parthenocissus</i>) <i>aconitifolia</i> , N.E., d.b.....	.75		
<i>brevipedunculata</i> (<i>heterophylla</i>) N. E., d.b.....	.65	1.75	
AMORPHA <i>canescens</i>.....	.50	1.25	3.50
<i>fruticosa</i> .....		.50	1.00
<i>microphylla</i> (<i>nana</i>).....		.50	1.25
ARALIA <i>elata</i>		2.25	6.25
<i>sieboldi</i> , see <i>Fatsia</i>			
<i>spinosa</i> , d.b.....	.50	1.10	3.00
ARBUTUS <i>menziesi</i> , d.b.....	.50	1.25	3.50
<i>unedo</i> , clean.....	1.00	2.50	
ARCTOSTAPHYLOS <i>glauca</i>.....	.45	1.00	2.75
<i>manzanita</i> , d.b.....	.50	.80	2.25
<i>urva ursi</i> , clean.....	.55	1.40	4.00
ARDESIA <i>crenulata</i>.....	.65	1.75	5.00
<i>japonica</i> .....	.80	2.20	6.00
ARECASTRUM <i>romanzoffianum</i> (<i>Cocos plumosa</i>)			
250 seeds 1.50 — 1,000 seeds 5.00			
ARISTOLOCHIA <i>tomentosa</i>.....	.50	1.40	4.00
ARONIA <i>arbutifolia</i> , d.b.....		.90	2.50
<i>arbutifolia brilliantissima</i> , d.b.....		1.10	3.00
<i>melanocarpa</i> , d.b.....		.65	1.75
<i>prunifolia</i> (<i>atropurpurea</i>), d.b.....		.90	2.50
ASIMINA <i>triloba</i>.....	.45	.90	2.50
AZALEA <i>albrechtii</i>	1.00	$\frac{3}{32}$ oz.	
<i>arborescens</i> , N. E.....	1.00	pkt.	
<i>atlantica</i> .....	.75	pkt.	
<i>calendulacea</i> .....	.65	$\frac{1}{16}$ oz., 1.50 $\frac{1}{4}$ oz.	
<i>indica</i> (<i>macrantha</i>).....	.75	$\frac{1}{8}$ oz.	
<i>japonica</i> , imported seed, Japan.....	1.00	$\frac{1}{4}$ oz.	3.00
<i>japonica</i> , yellow flowered, Japan.....	1.00	$\frac{1}{4}$ oz.	3.00
<i>japonica</i> , a new England garden strain, yellow and orange colors.....	.75	pkt., 1.25 $\frac{1}{32}$ oz.	
<i>kaempferi</i> , (see under <i>obtusata</i>)			
<i>linearifolia macrosepala</i> , N. E.....	.75	pkt.	
<i>maxwelli</i> , N. E.....	.50	pkt., 1.50 $\frac{1}{32}$ oz.	
<i>mollis</i> , domestic seed, yellow and orange shades	.75	$\frac{1}{16}$ oz., 1.75 $\frac{1}{4}$ oz.	
<i>mollis</i> , imported.....	1.00	$\frac{1}{4}$ oz.	3.00
<i>mucronata</i> (<i>ledifolia alba</i>) white, N. E.			
.50 pkt., 1.00 $\frac{1}{32}$ oz.			
<i>mucronata amethystina</i>.....	.50	pkt., 1.00 $\frac{1}{32}$ oz.	
<i>mucronulata</i> , N. E. measured packets of about 700 seeds			
1.00 pkt.			

oz. ¼ lb. lb.

AZALEA (continued)

nudiflora	.....65 $\frac{1}{16}$ oz., 1.50 $\frac{1}{4}$ oz.
obtusa japonica (kiusiana), domestic, N. E.	.....75 pkt.
obtusa japonica (kiusiana) imported	.....70 $\frac{1}{16}$ oz.
obtusa kaempferi, home grown, N.E.	1.00 $\frac{1}{16}$ oz., 3.50 $\frac{1}{4}$ oz.
obtusa kaempferi, low spreading type, red flowers	1.25 $\frac{1}{32}$ oz.

obtusa kaempferi mikawana50 pkt.
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pennsylvanica50 pkt.
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pontica75 $\frac{1}{16}$ oz., 1.75 $\frac{1}{4}$ oz.
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*poukhanensis, N.E.	1.00 $\frac{1}{32}$ oz., 3.00 $\frac{1}{8}$ oz.
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reticulata (dilatata)1.00 $\frac{1}{8}$ oz.
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rosea, N. E.1.00 pkt.
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schlippenbachi, Korean strain, N. E.	75 $\frac{1}{8}$ oz., 1.75 $\frac{1}{4}$ oz.
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vaseyi, N. E.	75 $\frac{1}{16}$ oz., 1.25 $\frac{1}{4}$ oz.
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viscosa	75 $\frac{1}{16}$ oz., 1.75 $\frac{1}{4}$ oz.
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(See listing of Hybrid varieties on pages 23-24.)

BERBERIS juliana nana , d.b.	1.00 $\frac{1}{4}$ oz.
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koreana, d.b.	50 $\frac{1}{4}$ oz.
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thunbergi, clean60 1.65 4.50
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thunbergi atropurpurea, d.b.	1.00 2.75 7.50
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thunbergi pluriflora, from profusely fruiting selection, d.b.	1.00
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BETULA japonica	50 1.15 3.25
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lenta	50 1.25 3.50
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lutea	50 1.25 3.50
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lutea, clean	1.00 2.75 7.50
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papyrifera, N. E.	60 1.65 4.50
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papyrifera, clean, N. E.	1.25 3.35 9.00
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pendula (alba), clean	45 80 2.25
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pendula (alba), seed from northern limit, clean	50 1.10 3.00
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populifolia	50 1.40 4.00
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BROUSSONETIA papyrifera	1.00 2.75 7.50
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BUDDLEIA davidi (variabilis)	60 1.50 4.25
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davidi, from new garden forms	65 $\frac{1}{4}$ oz. 2.00
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davidi, white	65 $\frac{1}{4}$ oz. 2.00
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japonica	60 $\frac{1}{4}$ oz. 2.00
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BUTIA capitata (Cocos australis) 250 seeds 1.50—1,000 seeds 4.50	
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BUXUS sempervirens	45 80 2.25
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CALLICARPA dichotoma (purpurea)	1.75 5.00
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giraldiana	50 $\frac{1}{4}$ oz.
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CALLUNA vulgaris , clean	55 $\frac{1}{4}$ oz. 1.00
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CALYCANTHUS floridus	50 1.00 2.75
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occidentalis	50 1.25 3.50
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CAMELLIA japonica , seed from Japan	50 70 2.00
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japonica, from garden specimens	50 90 2.50
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reticulata	1.75 5.00
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sasanqua	50 80 2.25
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CAMPSIS (Bignonia) grandiflora	50 1.10 3.00
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radicans	50 1.10 3.00
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CARAGANA arborescens	45 80 2.25
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CARPENTERIA californica	70 $\frac{1}{16}$ oz., 2.00 $\frac{1}{4}$ oz.
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CARPINUS betulus , clean	50 1.25
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caroliniana, clean	50 1.10 3.00
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cordata	80 2.25 6.00
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japonica	65 1.75 5.00
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tschonoski	65 1.70 4.75
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		oz.	$\frac{1}{4}$ lb.	lb.
CASSIA artemisioides.....		1.50	4.00	
tomentosa		1.10	3.00	
CATALPA bignonioides.....			.50	1.20
ovata .....		.50	.90	2.50
speciosa .....		.50	1.00	2.75
CEANOTHUS americanus.....		.80	2.25	6.00
arboreus .....	.60 $\frac{1}{4}$ oz.	1.50		
arboreus hybrids.....	.60 $\frac{1}{4}$ oz.	1.50		
cyaneus .....	.60 $\frac{1}{4}$ oz.	1.65		
griseus horizontalis.....	.50 $\frac{1}{4}$ oz.	1.25		
integerrimus .....	.60 $\frac{1}{4}$ oz.	1.25		
megacarpus .....	.60 $\frac{1}{4}$ oz.	1.50		
olivaceus tomentosus.....	.90 $\frac{1}{4}$ oz.	2.50		
purpureus .....	.90 $\frac{1}{4}$ oz.	2.50		
spinosus .....	.60 $\frac{1}{4}$ oz.	1.50		
thyrsiflorus .....	.50 $\frac{1}{4}$ oz.	1.25		
verrucosus .....	.60 $\frac{1}{4}$ oz.	1.50		
CEDRUS atlantica	} not suppliable for export	.60	1.50	4.25
atlantica argentea		.60	1.65	4.50
atlantica glauca		.65	1.70	4.75
deodara		.50	1.10	3.00
libani		.50	1.30	3.75
CELASTRUS orbiculatus, clean.....		.50	1.10	3.00
scandens, clean.....		.65	1.80	5.25
scandens, d.b.....			.90	2.50
CELTIS mississippiensis (laevigata), d.b.....			.65	1.75
occidentalis, d.b.....			.60	1.50
CEPHALANTHUS occidentalis, clean.....			.75	2.10
CEPHALOTAXUS drupacea.....			.45	1.25
fortuni .....			.60	1.50
CERATONIA siliqua.....			.45	1.25
CERCIDIPHYLLUM *japonicum.....		1.00	2.80	8.00
CERCIS canadensis, Northern seed.....		5.0	1.15	3.25
canadensis, Southern seed.....		.50	1.00	2.75
chinensis .....		.60	1.65	4.50
occidentalis .....		.50	1.25	3.50
siliquastrum .....			.50	1.00
siliquastrum alba.....		.50	1.00	2.75
CHAENOMELES lagenaria (Cydonia japonica).....		.55	1.40	4.00
lagenaria pygmaea.....		.50	1.25	3.50
CHAMAECYPARIS lawsoniana.....			.65	1.75
lawsoniana allumi, blue, columnar shaped form.....		.50	1.10	3.00
lawsoniana argentea.....		.50	1.15	3.25
lawsoniana aurea.....		.50	1.15	3.25
lawsoniana pendula glauca.....		.50	1.00	2.75
lawsoniana pyramidalis.....		.50	1.10	3.00
lawsoniana Triumph de Boskoop, choice blue form.....		.50	1.10	3.00
obtusa .....		.50	1.15	3.25
obtusa aurea.....		.65	1.75	5.00
obtusa, garden forms.....		.65	1.75	5.00
pisifera .....		.55	1.40	4.00
pisifera filifera.....		.60	1.50	4.25
pisifera plumosa.....		.60	1.65	4.50
pisifera squarrosa.....		.80	1.80	5.25
thyoides glauca.....	.90 $\frac{1}{4}$ oz.	2.50		

	oz.	¼ lb.	lb.
CHAMAEROPS humilis.....		.50	1.00
CHIMONANTHUS (Meratia) praecox.....		.80	2.25
CINNAMOMUM camphora.....		.65	1.80
glanduliferum .....		.60	1.50
CLADRASTIS lutea.....	.50	1.30	3.75
CLEMATIS alpina.....	.75 ¼ oz.	2.00	
flammula .....	.50	1.25	3.50
paniculata, imported.....	.55	1.65	4.50
patens .....	.65	1.75	
vitalba .....	.45	.80	2.25
viticella .....	.50	.70	2.00
CLERODENDRON trichotomum.....	.50	.90	2.50
CLETHRA acuminata d.b.....	1.00		
alnifolia, N. E. d.b.....	.55	1.25	3.50
fargesii, d.b.....	.50 pkt.		
tomentosa, d.b.....	1.00		
COCCULUS carolinus.....	.45	.70	2.00
COLUTEA arborescens.....		.60	1.50
CORDYLINE (Dracaena) indivisa, clean.....	.60	1.50	4.25
CORNUS alba.....	.60	1.65	4.50
amomum, clean.....	.50	1.25	3.50
capitata .....	.50	.90	2.50
controversa .....	.50	1.30	3.75
florida, Southern, clean.....	.50	1.10	3.00
florida, climatic Zone 6, clean.....	.50	1.25	3.50
florida, N. E., Zone 4 or 5, clean.....	.50	1.30	3.75
kousa, clean.....	.50	1.25	3.50
kousa chinensis, N. E.....	1.50		
mas, clean.....		.60	1.50
nuttalli, d.b.....	.50	1.25	3.50
racemosa (paniculata), clean.....	.50	1.10	3.00
racemosa (paniculata) d.b.....		.60	1.50
rugosa, d.b.....	.50	1.10	3.00
sanguinea, clean.....		.50	1.25
stolonifera, d.b.....		.65	1.75
CORONILLA emerus.....	.60	1.50	
CORYLOPSIS sinensis, N.E.....	.65 ¼ oz.	2.00	
CORYLUS americana.....		.65	1.65
avellana			1.00
COTINUS coggygria (Rhus cotinus).....		.65	1.65
COTONEASTER acutifolia, clean.....	1.25	3.50	10.00
apiculata, d.b.....	1.25		
bullata, clean.....	.65	1.75	5.00
bullata floribunda, d.b.....	.70	2.00	
buxifolia, clean.....	.65	1.75	5.00
dielsiana, clean.....	.75	2.20	6.00
dielsiana elegans, d.b.....	.65 ¼ oz.	1.50	
*dielsiana major, clean.....	1.00	3.00	8.25
divaricata, clean.....	.75	2.00	5.75
foveolata, clean, N. E., better habit and foliage, more disease resistant than either Cot. acutifolia or lucida	.70	1.80	5.25
francheti, clean.....	.60	1.65	4.50
francheti cinerascens, d.b.....	.75		
gracilis, d.b., N. E.....	.45 ¼ oz.	1.25	3.35
horizontalis, clean.....	.60	1.50	4.25
horizontalis perpusilla, d.b.....	.45 ¼ oz.	1.25	

	oz.	¼ lb.	lb.
COTONEASTER (continued)			
integerrima, d.b.....	.75	2.20	
lactea (parneyi) d.b., N. E.....	.70	2.00	
lindleyi .....	.65	1.70	4.75
microphylla, clean.....	.65	1.75	5.00
*multiflora, d.b.....	.70	2.00	6.00
*multiflora calocarpa, d.b. ....	.70	2.00	5.75
nitens, d.b.....	.70	2.00	
pannosa, clean.....	.65	1.65	4.50
racemiflora desfontaini (typica), d.b.....	.75	2.20	
racemiflora songarica, d.b.....	.75	2.20	
racemiflora veitchi, d.b.....	.70	2.00	6.00
rosea, d.b.....	.60 ¼ oz.	1.50	
rotundifolia lanata, clean.....	.65	1.75	
salicifolia, clean.....	.65	1.75	5.00
simonsi, clean.....	.60	1.65	4.50
thymifolia, d.b.....	.45 ¼ oz.	1.25	
zabeli, d.b.....	.70	2.00	
zabeli miniata, d.b.....	.85		
CRATAEGUS crus-galli, clean.....	.50	.90	2.50
intricata (coccinea), clean.....	.50	1.00	2.75
mollis, clean.....	.50	1.10	3.00
oxyacantha monogyna.....		.50	1.00
punctata, clean.....	.50	1.25	3.50
CRYPTOMERIA japonica, European seed.....	.45	.90	2.35
japonica, Oriental seed.....	.50	.90	2.50
japonica lobbi.....	.50	1.40	4.00
CUNNINGHAMIA lanceolata.....	.50	1.35	3.85
CUPRESSUS arizonica (glabra or bonita) domestic seed from			
pyramid specimens.....	.65	1.65	4.50
arizonica, imported seed.....	.50	1.10	3.00
*forbesi	1.75	4.50	12.00
funnebris .....	.50	1.10	3.00
goeniana .....	.50	1.10	3.00
lusitanica glauca.....	.50	.90	2.50
lusitanica benthami.....	.50	1.00	2.75
macrocarpa .....	.50	1.40	4.00
macrocarpa, from garden specimens.....	.60	1.65	4.50
macrocarpa, from northern sources, Bristish Isles.....	.50	2.20	6.00
macrocarpa glauca.....	.50	2.20	6.00
sempervirens horizontalis.....		.50	1.10
sempervirens stricta.....		.50	1.35
torulosa .....	.50	1.00	2.75
torulosa majestica.....	.50	1.10	3.00
CYDONIA (see Chaenomeles)			
CYTISUS hirsutus.....	.70	2.00	
multiflorus .....	.50	.90	2.50
*multiflorus, White Gem.....	.60 ¼ oz.	1.50	
nigricans .....	.75	2.20	6.00
purpureus .....	.60 ¼ oz.	1.50	
scoparius .....	.35	.60	1.50
scoparius andreanus, yellow with crimson wings.....	.55 ¼ oz.	1.50	4.25
scoparius andreanus hybrids (dallimorei), vari-colored flowers in pastel shades of yellow, rose and white	1.00 ¼ oz.	2.85	

	oz.	$\frac{1}{4}$ lb.	lb.
DAPHNE , mezereum, clean.....	.50	1.25	3.50
mezereum album, d.b.....	1.00		
mezereum rubrum, clean.....	.85	2.50	6.75
DEUTZIA scabra (crenata).....	.55	1.50	4.25
DIOSPYROS kaki.....		.65	1.75
lotus .....		.50	1.25
virginiana .....		.50	1.25
virginiana, northern.....		.60	1.50
virginiana, from trees in cultivation.....		.70	2.00
DISANTHUS cercidifolius.....	.65	1.75	5.00
DRACAENA draco, clean.....	.50	1.20	3.25
ELEAGNUS angustifolia, clean.....		.50	1.25
commutata (argentea), clean.....	.50	.80	2.25
multiflora (edulis, longipes), clean.....	1.00	2.80	8.00
umbellata, clean.....	.60	1.40	4.00
ELSHOLTZIA stauntoni.....	.75	$\frac{1}{8}$ oz.	
ENKIANTHUS campanulatus, N. E.....	.60	$\frac{1}{16}$ oz., 1.10	$\frac{1}{4}$ oz. 3.00
ERICA arborea, clean.....	.50	$\frac{1}{4}$ oz.	1.00
carnea, clean.....	.95	$\frac{1}{4}$ oz.	2.50
ERIOBOTRYA japonica, please order in spring for summer delivery.....			3.00
ERYTHEA (Brahea) armata, clean.....		1.20	3.00
edulis, clean.....		1.00	2.70
ERYTHRINA crista-galli.....	.65	1.75	5.00
EUCALYPTUS botryoides.....	.95	2.50	7.00
camaldulensis (rostrata).....	.65	1.75	5.00
globulus, clean.....	.65	1.75	5.00
EUCRYPHIA glutinosa.....	1.25	$\frac{1}{8}$ oz.	
EUONYMUS alatus, clean.....	.50	1.25	3.50
europaeus, clean.....		.70	2.00
europaeus intermedia (fructu coccineo) with bright red fruit, d.b.....	.50	1.10	3.00
fortunei (radicans) clean.....	.50	1.30	3.75
japonicus, clean.....		1.10	3.00
oxyphyllus, clean.....	.50	1.10	3.00
*sachalinensis (planipes), N. E., clean.....	1.00		
EXOCHORDA grandiflora.....	.50	1.40	4.00
FAGUS grandifolia, N. E.....			2.50
sylvatica, Northern Europe.....		.50	1.25
FATSIA japonica (Aralia sieboldi).....	1,000 seeds	2.50	
FEIJOA sellowiana.....	1,000 seeds	2.25	
FIRMINIANA simplex.....		.80	2.25
FRANKLINIA alatamaha.....	100 seeds	1.75, 1,000 seeds	11.00
FRAXINUS americana.....		.50	1.35
excelsior .....		.50	1.00
mandshurica .....	.50	1.10	3.00
nigra .....		.50	2.25
oregona .....	.50	.90	2.50
ornus .....			.75
pennsylvanica lanceolata.....			.85
quadrangulata .....	.50	.90	2.50
FREMONTIA californica.....	1.00	$\frac{1}{4}$ oz.	
mexicana .....	.70	$\frac{1}{4}$ oz.	2.00
GARDENIA jasminoides (florida).....	.60	1.65	4.50

		oz.	¼ lb.	lb.
GENISTA aetnensis.....		.50		1.25
canariensis .....		.90		2.50
fragrans		1.10		3.00
germanica .....		.75		
monosperma .....		.60		1.55
pilosa .....		.75		
radiata .....		.75		
tinctoria .....		.60	1.65	4.50
GINKO biloba.....			.65	1.75
GLEDITSIA japonica.....		.50	.90	2.50
sinensis .....		.50	1.00	2.75
triacanthos .....			.50	1.10
triacanthos inermis.....			.60	1.50
GREVILLEA robusta , domestic seed.....	1.00 ¼ oz.	3.00		
GYMNOCLADUS dioicus.....			.45	.75
HALESIA carolina (tetraptera).....			.80	2.25
monticola .....		.50	.90	2.50
HAMAMELIS japonica.....		.70	1.80	5.25
mollis, N. E. ....	.50 ¼ oz.	1.65	4.50	
vernalis, tall growing form.....	.60 ¼ oz.	1.50	4.25	
vernalis tomentella, bush type.....	.60 ¼ oz.	1.50		
virginiana, Southern.....		.80	2.20	6.00
virginiana, Northern (Zone 4).....		.80	2.35	6.50
HIBISCUS syriacus.....			.50	1.25
syriacus, white flowered.....			.60	1.50
HIPPOPHAE rhamnoides.....			.60	2.00
HOVENIA dulcis.....		.50	1.20	3.25
HYDRANGEA petiolaris.....	.50 ¼ oz.	1.25		
HYPERICUM frondosum (aureum).....	.50 ⅛ oz.			
kalmianum .....	.75 ¼ oz.			
IDESIA polycarpa.....		.70	2.00	
ILEX aquifolium , clean.....			.60	1.50
aquifolium, from garden varieties.....		.45	.85	2.50
*cornuta, domestic, cleaned and floated.....		.80	2.25	6.00
crenata, clean.....		.50	1.10	3.00
crenata convexa (bullata) N. E., d.b.....		1.00		
glabra, d.b.....			.55	1.50
latifolia .....		.70	2.00	5.75
opaca, clean.....		.65	1.70	4.75
opaca, from its northern range, clean.....		.75	2.15	6.00
*pedunculosa, clean.....		.70	1.80	5.25
serrata (sieboldi), clean.....		.65	1.70	4.75
verticillata, clean, N. E.		1.00	2.80	8.00
INDIGOFERA dosua.....	.40 ¼ oz.	1.25		
JUBAEA spectabilis	100 seeds .75, 500 seeds 3.00			
JUGLANS cinerea , New England seed.....	6.50 per bushel			
sieboldiana .....			.50	1.25
sieboldiana cordiformis.....			.50	1.25
JUNIPERUS californica , clean.....		.80	2.20	6.00
chinensis, clean.....		.50	1.50	4.25
chinensis sargentii, clean.....		.75	2.15	6.00
communis depressa, N. E., d.b.....		.50	1.00	2.75
communis depressa, clean.....		.90	2.50	7.00
communis, upright columnar type, clean.....		.45	.65	1.75
conferta, (litoralis), clean.....		1.00	2.50	7.00
*pachyphloea, clean.....		.85	2.35	6.50

	oz.	¼ lb.	lb.
JUNIPERUS (continued)			
procumbens, clean.....	1.25	3.35	9.00
rigida, clean.....	.50	1.65	4.50
scopulorum, clean, northern.....	.60	1.75	5.00
scopulorum, dainty leaved Southern blue form, cleaned and floated.....	.75	2.15	6.00
virginiana, from plants in cultivation, clean.....	.50	1.40	4.00
virginiana, Northern States, clean.....	.65	1.70	4.75
virginiana, Platte River type, clean.....	.50	1.65	4.50
virginiana glauca, clean.....	.70	2.25	6.00
KADSURA japonica.....	.70	2.25	6.00
KALMIA latifolia.....	.55 ¼ oz.	1.50	
latifolia, New England, from garden specimens.....	1.00 ¼ oz.	2.50	
latifolia, from native New England mountain stock, 1200 ft. 1.00 ¼ oz.	2.75		
KERRIA japonica.....	.60	1.40	4.00
KOELREUTERIA paniculata.....		.60	1.50
KOLKWITZIA amabilis , clean, N. E.....	1.70	4.75	
LABURNUM alpinum.....	.45	.80	2.25
anagyroides (vulgare).....	.45	.70	2.00
LAGERSTROEMIA indica , clean.....	.60	1.65	4.50
LARIX decidua (europaea) Central Alps, elev. 3,000-3,600 ft., granite. CERT......	.50	1.25	3.50
decidua, foothills Northern Alps, elev. 2,400-3,00 ft., limestone. CERT.			
decidua, large seeded strain from Western High Alps, 6,000 ft., of late starting and early terminating growth, cold and wind resistant, straight, tall, rapid grower, a good timber tree, a fine ornamental. CERT......	.65	1.75	4.75
leptolepis	1.00	2.80	8.00
LAURUS nobilis , clean.....		.50	1.00
LESPEDeza bicolor , clean, domestic seed.....	.50	.90	2.35
buergeri .....	.50	1.25	3.50
japonica .....	.50	1.20	3.25
tunbergi (formosa).....	.50	1.20	3.25
LEUCOTHOE catesbaei	1.00 ¼ oz., 2.50 oz.		
LIBOCEDRUS decurrens.....	.50	.90	2.50
LIGUSTRUM ibota , clean.....	.45	.80	2.25
japonicum, d.b.....	.45	.65	1.75
lucidum, d.b.....	.50	1.00	2.75
obtusifolium (ibota of trade), d.b.....		.70	2.00
ovalifolium, d.b.....		.50	1.25
quihoui, d.b., N. E.....	.75	2.15	
sinense ("South" Privet), d.b.....		.50	1.10
vulgare, clean.....		.65	1.75
LINDERA benzoin.....	.50	1.20	3.25
LIQUIDAMBAR styraciflua.....	.80	2.20	6.00
LIRIODENDRON tulipifera.....		.50	1.25
LIVISTONA chinensis (Latania borb.).....	1,000 seeds	5.25	
LOISELEURIA procumbens	1.00 ⅙ oz.		
LONICERA caprifolium , clean.....	.65	1.75	5.00
etrusca, clean.....	.65	1.70	4.75
henryi, d.b., N. E.....	.60 ¼ oz.	1.75	
japonica, clean.....	.80	2.20	6.00
korolkowi zabeli, fine red flowered form, d.b.....	.50 ¼ oz.	1.50	

	oz.	¼ lb.	lb.
LONICERA (continued)			
maacki podocarpa , d.b., N. E.....	1.00		
morrowi , d.b., N. E.....	.70	2.20	6.00
morrowi , yellow fruited, d.b.....	.70	2.00	5.50
ruprechtiana , d.b., N.E.....	.70	2.00	
tatarica , clean.....	.50	1.10	3.00
tatarica alba , d.b., N. E.....	.80	2.25	
tatarica rosea , d.b.....	.80	2.25	
tatarica wheeleri (red), d.b., N. E.....	1.00		
xylostium , clean.....	.70	1.80	5.25
MAACKIA amurensis.....	.50	1.30	3.75
MACADAMIA ternifolia		1.25	3.50
MACLURA pomifera.....		.65	1.75
MAGNOLIA denudata (conspicua), d.b.....	.50	1.25	3.50
grandiflora , clean.....		1.10	3.00
kobus , clean.....	.60	1.40	4.00
liliflora , d.b.....	.60	1.40	4.00
obovata (hypoleuca), clean.....	.50	1.25	3.50
soulangeana , d.b.....	.50	1.35	3.75
soulangeana lennei , d.b.....	.50	1.40	4.00
virginiana (glauca), clean.....	.70	1.85	5.50
MAHONIA aquifolium , clean.....	.85	2.35	6.50
MALUS baccata , dried pomes.....		1.00	2.75
baccata mandshurica , dried pomes.....		1.10	3.00
coronaria , clean.....	1.30	3.60	10.00
common , Apple for stock — French Cider Crab.....		.50	1.25
common , Apple for stock — domestic seed.....		.65	1.75
ioensis , clean.....	1.35	3.75	
*sargentii , dried pomes, N. E., Free blooming, dwarf orna- mental Crab, true from seed.....	.80	2.20	6.00
sieboldi , clean.....	1.25	3.10	8.50
sieboldi arborescens , d.b., N. E.....	.50	1.10	3.00
theifera (hupehensis), dried pomes, handsome small tree, very free blooming, true from seed.....	.50	1.10	3.00
zumi , clean.....	1.25	3.10	8.50
zumi calocarpa , dried pomes.....	.50	.90	2.50
MELALEUCA leucadendron	1.25	3.25	
MELIA azedarach.....		.70	2.00
MENISPERMUM canadense.....		.70	2.00
MESPILUS germanica , clean.....		.70	2.00
MORUS alba , clean.....	.50	.90	2.50
alba tatarica , clean.....	.75	2.15	6.00
nigra , clean.....	.50	1.10	3.00
MYRICA caroliniensis (pennsylvanica) N. E.....		.70	2.00
MYRTUS communis , clean.....	.70	2.00	5.50
communis compacta.....	.60 ¼ oz.	1.50	
NANDINA domestica , home grown, d.b.....		1.00	2.75
domestica , imported, clean.....	.50	1.00	3.75
domestica , white berries, imported, clean.....	.60	1.50	4.25
NYSSA sylvatica , clean.....	.50	1.10	3.00
OLEA europaea.....		.50	1.25
ORIXA japonica	1.00	2.85	
OSTRYA carpinifolia , clean.....	.50	1.25	3.50
virginiana , clean.....	.75	2.15	6.00

	oz. ¼	lb.	lb.
OXYDENDRON arboreum , clean.....45 ¼ oz.	1.25		
PAEONIA suffruticosa (arborea or moutan), from choice domestic collection.....	1.40	4.00	11.00
PALIURUS spina-christi (aculeatus), clean.....		.60	1.50
PARKINSONIA aculeata.....	.50	1.25	3.25
PARTHENOCISSUS (Ampelopsis) quinquefolia , clean.....		.65	1.75
tricuspidata (veitchi), clean.....	.45	.80	2.25
PASSIFLORA coerulea.....50 ¼ oz.	1.30	3.60	10.00
edulis .....50 ¼ oz.	1.25		
incarnata .....50 ¼ oz.	1.30	3.60	10.00
PAULOWNIA tomentosa.....	.45	.60	1.50
PHASEOLEUS caracalla.....100 seeds 1.00, 1,000 seeds 6.00			
PHELLODENDRON amurense , clean.....	.55	1.35	3.75
PHILADELPHUS coronarius , clean.....	.55	1.35	3.75
grandiflorus .....	.50	1.25	3.50
pubescens , vigorous native species.....50 ¼ oz.	1.25		
PHOENIX canariensis.....		.50	1.20
dactylifera .....		.70	2.00
dactylifera , Deglet Nur variety.....	.50	1.10	3.00
reclinata.....1,000 seeds 4.00			
PHOTINIA glabra , clean.....		1.75	5.00
villosa , clean.....	.50	1.40	4.00
PHYSOCARPUS opulifolius (Spiraea opul.), Ninebark.....	.80	2.20	6.00
PICEA abies (excelsa), Western Europe, Central Mountains of France (2,700 ft.) fast growing, recommended for seedling growers. CERT.			
abies , North Germany, Jutland, the vigorous Lowland strain .....	.50	1.10	3.00
abies , from lime stone formations in Austria (1,800-2,400 ft.). CERT......	.50	1.20	3.25
abies , Lowland strain, South Sweden, near sea-level, the hardest and most wind-burn resistant strain of the Central European race of Norway Spruce (not the slow growing arctic type), the best best strain for the Northern states and Canada. CERT......	.60	1.65	4.50
abies , Harz Mountains, Central Germany, 1,200-1,500 ft., a strain preferred by growers of stock for landscaping., CERT. .....	.55	1.35	3.75
abies , domestic Lake State sources, CERT.	1.00	2.80	8.00
abies , from slate formations in Switzerland (4,500-4,800 ft.). CERT......	.50	1.10	3.00
abies , the best Norway Spruce timber stands and the tallest and largest trees are found in the Boehmerwald region of Europe. A hill-type Spruce. CERT......	.50	1.40	4.00
bicolor .....1.00	2.00	8.00	
engelmanni .....1.15	3.10	8.50	
glaucia , Lake States seed.....2.00	5.50	15.00	
glaucia (canadensis), from planted stands near sea-level, Northern Europe.....	.50	1.25	3.50
glaucia densata (Black Hills).....	2.00	5.50	15.00
jezoensis hondoensis	1.00	2.75	7.50
omorika .....1.50 ¼ oz.	6.00		
pungens .....1.30	3.60	10.00	
pungens glauca	1.75	4.50	12.00
sitchensis , hardy type, Olympic range.....	1.80	4.75	12.50

	oz.	¼ lb.	lb.
PIERIS floribunda , N. E.....	1.10 ¼ oz.	3.00	
formosa	1.00 ⅙ oz., 2.75 ¼ oz.		
japonica , N. E.....	.90 ¼ oz.	2.50	
japonica , imported.....	.65 ¼ oz.	1.50	
PINUS aristata.....	.80	2.20	6.00
banksiana	1.25	3.35	9.00
caribaea	1.00	2.75	7.50
cembra .....	.50	1.25	
cembroides edulis.....	.50	1.30	3.75
contorta .....	.90	2.90	8.00
contorta latifolia (murrayana).....	1.30	3.60	10.00
densiflora .....	.50	1.10	3.00
echinata	2.00	5.20	14.00
flexilis .....	.55	1.40	4.00
flexilis reflexa.....	.60	1.65	4.50
griffithi (excelsa).....	.60	.90	2.50
halepensis .....	.60	1.50	
halepensis brutia.....	.65	1.75	
jeffreyi .....	.60	1.70	4.75
khasya	1.25	3.60	
koraiensis .....	.50	1.10	3.00
lambertiana .....	.55	1.40	4.00
merkusi	1.25	3.60	
mugo (montana), Lowland seed.....	.50	1.10	3.00
mugo gallica.....	.60	1.50	4.25
mugo mughus , Tyrolean Alps, dwarf type.....	.80	2.20	6.00
mugo pumilio , dwarfest of mugo group from Eastern Alps (limestone). CERT. , see page 28.....	1.15	3.10	8.50
mugo rostrata (uncinata) European Alps.....	.60	1.50	4.25
mugo rostrata (uncinata), Lowland seed.....	.55	1.10	3.00
monticola	1.00	2.80	8.00
muricata .....	.65	1.75	
nigra , Hill strain, elev. 900-2,100 ft. from the heart of the Austrian Pine country in Austria. CERT......	.50	1.35	3.75
nigra , South Central Europe, Apennines Mountains, elev. 2,100-2,700 ft.....	.50	1.20	3.25
nigra poiretiana , Mainland form from Calabria.....	.50	1.10	3.00
nigra Villetta Barrea , this strain is said to be a form intermediate between <i>Pinus nigra</i> and <i>Pinus laricio calabrica</i> and considered the best Pine to succeed on dry, shallow lime-stone and chalk soils.....	.50	1.65	4.50
palustris		1.20	3.25
parviflora (pentaphylla).....	.65	1.75	5.00
pinaster (maritima).....	.60	1.25	
pinea .....	.50	1.10	
ponderosa , Colorado.....	.60	1.65	4.50
ponderosa , from the timber areas of its maximum development in So. Oregon and California.....			
ponderosa scopulorum.....	.50	1.25	3.50
pumila	1.00	2.75	7.50
radiata (insignis).....	.50	1.10	3.00
resinosa , Lake States.....	2.00	5.75	16.00
sabiniana , California crop.....	.50	1.25	3.50
sabiniana , from trees in cultivation.....	.45	.80	2.25
ströbus , Lake States Race. CERT......	.85	2.35	6.50

	oz.	¼ lb.	lb.
PINUS (continued)			
<i>strobis</i> , Esatern U.S. race, New England, New York State. CERT.	1.20	3.20	8.50
<i>sylvestris</i> , for diversity of requirements a choice of strains is offered: See page 28 Pine Lore.			
A. Strains from the plains of Northern Europe from stands growing on sandy soil.			
Seed from North German low plain, see Pine Lore, page 28, 60,000 seeds per pound. CERT.	1.30	3.60	10.00
Seed from Poland.....	1.00	2.80	8.00
Seed of West Baltic origin, Sweden, a rugged northern strain, excellent for timber, new seed available in May, 90,000 seeds per pound. CERT.		5.00	14.00
Seed from planted stands from Swedish seed, Jutland Penninsula, Denmark. CERT.	1.80	4.60	12.50
B. Mountain Strains. Recommended for ornamental use, Christmas tree stock, forest planting:			
Seed previously offered as green strain from origins in Western Europe is now and has been available for some time from highland forests in France, elevation 2,700-3,600 feet. Inclined to be fast growing of bushy habit it is suitable for many uses — windbreaks, shelter plantings, landscaping. Its wood, reported to qualify with that from northern strains, warrants a trial for timber production. 86,000 seeds per pound. CERT.	.65	1.75	5.00
Seed from Austrian Forests, hill strain, 1,400 feet, green needles, straight stems, small crowns. 78,-500 seeds per pound. CERT......	.80	2.25	6.00
Seed from <i>Rigensis</i> type trees, Northern New York State, Hill Country, elevation, 1,200 ft., CERT.	2.00	5.50	15.00
C. Insular isolation has set apart as distinctive for practical purposes the Scotch Pine race indigenous to England. Favorable reports regard it as suitable both for timber and Christmas tree production. It is recommended for further trial while seed is available. It may take the place of seed of the Scottish race which will not be available this year.			
Seed from government forests in East Angelia, CERT.	1.30	3.60	10.00
<i>taeda</i>	1.00	2.60	7.25
<i>thunbergi</i> .....	.50	1.25	3.50
<i>torreyana</i>	1.00	2.90	8.00
PITTOSPORUM <i>tobira</i> , clean.....	.50	1.10	3.00
PLATANUS <i>occidentalis</i> , clean.....		.50	1.35
<i>orientalis</i> , clean.....		.50	1.25
PLUMBAGO <i>capensis</i>.....1,000 seeds	3.50		
PODOCARPUS <i>macrophylla</i>	1.15	3.25	
<i>macrophylla</i> <i>maki</i> , domestic seed.....		4.50	
<i>nagi</i>		1.15	3.25
POINCIANA <i>gilliesi</i>.....	.60	1.35	3.85
(<i>Delonix</i>) <i>regia</i>.....	.75	2.25	6.00
PONCIRUS (<i>Citrus</i>) <i>trifoliata</i>.....		.50	1.25

PRUNUS americana , clean.....	.70	2.00	
amygdalo-persica , Hardy Almond , deserves attention for its large pink flowers in early spring.....	.50	1.50	4.50
amygdalus (<i>communis</i>), Sweet Almond.....			.75
amygdalus (<i>communis</i>), Bitter Almond.....			.80
armeniaca , clean (Apricot).....			.80
armeniaca ansu , clean, hardy Japanese Apricot, close to mandshurica with better fruit.....			.90
avium , Mazzard , clean.....		.50	1.25
besseyi , clean.....	.60	1.50	4.25
caroliniana .....		.60	1.50
cerasifera (Myrobolan), clean.....		.50	1.00
grayana .....	.50	1.10	3.00
ilicifolia , clean.....	.50	1.10	3.00
incisa , clean, imported.....	.60	1.70	4.75
insititia , N. E.....	.50	.90	2.50
japonica .....	.55	1.40	4.00
laurocerasus (<i>officinalis</i>), clean.....		.60	1.50
lyoni (<i>integrifolia</i>), clean.....	.50	1.10	3.00
maacki .....	.50	1.25	3.50
mahaleb		1.00	2.75
maritima , clean N. E.....	.50	1.40	4.00
maximowiczii .....	.95	2.50	7.00
mume , clean.....		.55	1.50
mume var. Bungo , red flowered.....	.50	1.00	2.75
nipponica , close to incisa , flowers twice larger.....	1.00	2.60	7.25
nipponica kurilensis , flowers still larger.....	1.00	2.75	7.75
padus , clean imported.....	.50	1.10	3.00
pseudocerasus , white fragrant flowers, early, edible red fruit	1.00	2.80	
salicina (<i>triflora</i>).....		.45	.95
* sargentii (<i>serrulata sachalinensis</i>) clean.....	.50	1.10	3.00
* sargentii , red flowered.....	.60	1.70	4.75
serotina , clean.....		.50	1.25
serrulata , clean.....	.50	.90	2.50
serrulata albida (<i>speciosa</i>), white.....	.60	1.65	4.50
serrulata lannesiana.....	.50	.90	2.50
serrulata , from double flowered specimens.....	.60	1.65	4.50
spinosa , clean.....		.50	1.50
subhirtella , clean.....	.50	1.00	2.75
subhirtella ascendens.....	.75	2.15	
subhirtella pendula , clean.....	.50	1.10	3.00
tomentosa , domestic, clean.....	1.00	2.80	
tomentosa , imported.....	.50	.80	2.25
virginiana , clean.....		.65	1.75
* yedoensis, .....	.50	.80	2.25
PSEUDOLARIX kaempferi (<i>amabilis</i>).....	.55	1.20	3.25
PSEUDOTSUGA douglasi caesia , Interior Strain, Montana- Idaho	1.75	4.50	12.00
douglasi glauca , Colorado strain.....	1.80	4.60	12.50
douglasi viridis , Coast form, Oregon, Washington.....	2.00	5.50	15.00
PTELEA trifoliata.....		.50	1.25
PUERARIA thunbergiana.....	.50	1.00	2.75
PYRACANTHA coccinea , clean.....	.50	.80	2.25
coccinea lalandi , clean.....	.55	1.20	3.25
coccinea lalandi , d.b., N. E. hardy strain, plants wintering at Boston.....	.65	1.75	5.00

	oz.	$\frac{1}{4}$ lb.	lb.
PYRUS common pear, domestic seed.....	.50	1.25	3.50
common pear, French imported.....	.75	1.95	5.50
pyrifolia (serotina).....	.80	2.25	6.00
QUERCUS cerris.....			1.25
ilex			1.25
palustris — not less than 5 lbs. sold.....			.65
suber			1.35
RAPHIOLEPIS indica.....		1.50	4.25
umbellata (japonica).....		1.40	4.00
RHAMNUS californica, d.b.....	.50	1.10	3.00
cathartica, clean.....	.50	.90	2.25
davurica, clean.....	.50	1.10	3.00
frangula, d.b.....		1.10	3.00
purshiana, clean.....	.55	1.25	3.50
RHODODENDRON — Items marked (*) are supplied to us in selfed (hand-pollinated) seeds of northern origin by noted expert. Packets as offered contain several hundred seeds.			
*adenogynum .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
arboreum, blood red.....	.75	$\frac{1}{16}$ oz.	
arboreum, mixed shades.....	.50	$\frac{1}{4}$ oz.	
augustini, N. E.....	.75	pkt.	
auriculatum .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
brachycarpum .....	.90	$\frac{1}{8}$ oz.	
calophytum .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
*caloxanthum .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
*campanulatum .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
cantabile		1.00 pkt.	
carolinianum, N. E.....	1.00	$\frac{1}{16}$ oz., 2.50	$\frac{1}{4}$ oz.
carolinianum, blush.....	.50	pkt.	
carolinianum, white.....	.50	pkt.	
catawbiense .....	.95	$\frac{1}{4}$ oz.	2.85
catawbiense compactum, N. E.....	1.25	$\frac{1}{16}$ oz.	
caucasicum .....	.50	pkt.	
cerasinum .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
*chartophyllum .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
*concinnum .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
croceum, N. E.....	.75	pkt.	
*decorum .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
diaprepes	1.00	$\frac{1}{32}$ oz.	
discolor .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
eximium .....	.50	pkt.	
*fargesii .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
ferrugineum .....	.50	pkt., 1.00	$\frac{1}{8}$ oz.
fortunei, a hardy strain, N. E.....	1.00	$\frac{1}{32}$ oz., 3.00	$\frac{1}{8}$ oz.
fulvum .....	.75	pkt., 1.25	$\frac{1}{32}$ oz.
haematodes .....	.75	pkt., 1.25	$\frac{1}{32}$ oz.
hippophaeoides .....	.50	pkt.	
hirsutum .....	.50	pkt., 1.00	$\frac{1}{8}$ oz.
leucaspis	1.00	pkt.	
maximum, N. E.....	1.00	$\frac{1}{4}$ oz.	3.50
*neriiflorum .....	.75 pkt., 1.25	$\frac{1}{32}$ oz.	
orbiculare .....	.75	pkt., 1.25	$\frac{1}{32}$ oz.
oreotrephe .....	.75	pkt., 1.25	$\frac{1}{32}$ oz.
ponticum, Northern Europe.....	.90	$\frac{1}{4}$ oz.	2.50

	oz.	$\frac{1}{4}$ lb.	lb.
RHODODENDRON (continued)			
<i>praeevernum</i> , N. E.....	.75 pkt.		
* <i>pseudoyanthinum</i> .....	.75 pkt., 1.25 $\frac{1}{32}$ oz.		
<i>racemosum</i> .....	.50 pkt., 1.00 $\frac{1}{32}$ oz.		
<i>smirnowi</i> .....	.50 pkt., 1.00 $\frac{1}{32}$ oz.		
* <i>souliei</i> .....	.75 pkt., 1.25 $\frac{1}{32}$ oz.		
* <i>sutchuenense</i> .....	.75 pkt., 1.25 $\frac{1}{32}$ oz.		
<i>tephropeplum</i> .....	.50 pkt., 1.00 $\frac{1}{32}$ oz.		
* <i>thomsoni</i> .....	.75 pkt., 1.25 $\frac{1}{32}$ oz.		
* <i>vernicosum</i> .....	.75 pkt., 1.25 $\frac{1}{32}$ oz.		
* <i>wardi</i> .....	.75 pkt., 1.25 $\frac{1}{32}$ oz.		
<i>williamsianum</i> .....	.75 pkt., 1.25 $\frac{1}{32}$ oz.		
* <i>yunnanense</i> .....	.75 pkt., 1.25 $\frac{1}{32}$ oz.		
RHODODENDRON HYBRIDS: see listing on page 23.			
RHODOTYPOS <i>scandens</i> (kerrioides).....	.55	1.40	4.10
RHUS <i>canadensis</i> , (aromatica), clean.....	.65	1.75	5.00
<i>copallina</i> , d.b.....		.70	2.00
<i>glabra</i> , d.b.....		.65	1.75
<i>trilobata</i> , clean.....	.50	1.25	3.50
<i>typhina</i> , clean.....		.70	2.00
ROBINIA <i>hispida fertilis</i>	1.30	3.60	10.00
<i>pseudoacacia</i> , imported seed (the Eastern U. S. strain).....		.50	1.00
<i>pseudoacacia</i> , domestic seed, Idaho strain.....		.70	2.00
<i>pseudoacacia inermis</i>.....	.50	.90	2.50
ROSA <i>arkansana</i> , clean.....	.75	2.15	6.00
<i>blanda</i> , clean.....	.60	1.65	4.50
<i>canina</i> , clean.....		.50	1.10
<i>carolina</i> (humilis) d.b.....		1.10	3.00
<i>eglanteria</i> (rubiginosa), clean.....		.80	2.25
<i>fujisanensis</i> , clean.....	.50	1.25	
<i>multiflora</i> , thornless, clean.....	.50	1.10	3.00
<i>multiflora</i> , thorny, domestic seed.....	.60	1.60	4.50
<i>multiflora</i> , thorny, clean, imported.....	.50	.90	2.50
<i>nitida</i> , dried hips.....		1.25	3.25
<i>palustris</i> , clean.....	.75	2.20	6.00
<i>polyantha nana multiflora</i>.....	.70 $\frac{1}{4}$ oz.	2.00	
<i>primula</i> , d.b.....	1.00	2.75	
<i>rugosa</i> , clean.....	.50	1.00	2.75
<i>rugosa</i> , deep red selection, N. E., clean.....	.55	1.50	4.25
<i>rugosa</i> , white, N. E., clean.....	.60	1.65	
<i>setigera</i> , dried hips.....		.70	2.00
<i>setigera</i> , clean.....	.65	1.75	5.00
<i>spinosissima</i> , clean.....	.75	2.20	6.00
<i>virginiana</i> (lucida), clean.....	.75	2.20	6.00
<i>wichuraiana</i> , clean.....	.50	1.00	2.75
RUSCUS <i>aculeatus</i> , clean.....	.50	.90	2.50
SAMBUCUS <i>canadensis</i> , clean.....	.50	1.20	3.25
<i>nigra</i> , clean.....		.60	1.50
<i>racemosa</i> , d.b.....	.45	.70	2.00
SAPINDUS <i>drummondii</i>.....	.50	.90	2.50
<i>mukorossi</i> .....	.50	1.00	2.75
SASSAFRAS <i>albidum</i> (varifolium).....		.90	2.50
SCHINUS <i>molle</i>.....		.65	1.75
<i>terebinthifolius</i> .....		.90	2.50
SCHIZOPHRAGMA <i>hydrangeoides</i>.....	.75	2.20	

	oz.	¼ lb.	lb.
SCIADOPITYS verticillata	1.00	2.70	7.50
SEAFORTHIA elegans.....250 seeds 1.25, 1,000 seeds 3.50			
SEQUOIA gigantea , from high elevations, 6,500-7,000 ft.....	2.85	8.00	22.00
sempervirens , California seed only.....	1.10	3.10	8.50
SHEPHERDIA argentea , clean.....	.85	2.35	6.50
argentea , d.b.....	.50	1.25	3.50
SMILAX (see also <i>Asparagus</i>) rotundifolia , d.b.....		.70	2.00
SOPHORA japonica.....		.50	1.25
japonica seed from pendula form.....		.60	1.50
SORBUS americana , d.b.....	.50	1.10	3.00
aria , clean.....	.70	1.80	5.25
aucuparia , imported, clean.....	.65	1.75	5.00
aucuparia , domestic, d.b., N. E.....		.90	2.50
decora , d.b.....	.50 ¼ oz.		
domestica , clean.....	1.25	3.50	10.00
torminalis , clean.....	1.00	3.00	9.00
SPARTIUM junceum.....		.50	1.25
STAPHYLEA bumalda.....	.50	1.25	3.50
trifolia.....	.50	.90	2.50
STEWARTIA monadelphæ , N. E.....	.90 ¼ oz.	2.50	
pseudocamellia , imported.....	1.00	3.00	
STYRAX americana.....		.70	2.00
japonica.....	.50	.85	2.50
obassia.....	.50	1.15	3.25
SYMPHORICARPUS albus (racemosus).....	1.00	2.75	
orbiculatus (vulgaris), d.b.....		.70	2.00
SYMPLOCOS paniculata , conspicuous in flower (white) and fruit (bright blue).....	.60	1.65	4.50
SYRINGA amurensis , N. E.....	1.50		
amurensis japonica , N. E.....	1.50		
amurensis japonica , imported.....		3.60	10.00
henryi	1.10	3.00	
pekinensis , N. E.....	1.50		
villosa	1.40	4.00	11.00
vulgaris.....	.50	1.10	3.00
vulgaris alba.....	.70	1.80	5.25
TAMARIX gallica.....		.70	2.00
TAXODIUM distichum.....		.60	1.50
distichum , clean.....		.90	2.50
TAXUS baccata.....		.60	1.65
baccata erecta , N. E.....	1.20	3.25	
baccata stricta (fastigata).....	.50	1.20	3.25
cuspidata , N. E.....	1.30	3.60	10.00
cuspidata , seed from Japan (the so-called capitata form).....	.50	1.10	3.00
media hicksi , N. E.....	1.30	3.60	10.00
TETRAPANAX (Aralia) papyrifera.....	.65 ¼ oz.	1.75	
THEA (Camellia) sinensis.....		.60	1.50
THUJA occidentalis	1.00	2.50	7.00
occidentalis , Northeastern or Lake States.....	1.15	3.10	8.50
occidentalis pyramidalis	1.25	3.60	10.00
orientalis.....		.60	1.50
orientalis , New England seed.....	.50	1.25	3.50
orientalis , from select pyramids, N. E.....	.80	2.25	
orientalis aurea.....	.45	.80	2.25
orientalis aurea nana.....	.50	1.25	3.50
orientalis compacta (nana).....	.45	.80	2.25

THUJA (continued)			
orientalis elegantissima.....	.75		
orientalis pyramidalis.....	.45	.80	2.25
orientalis tatarica.....	.50	.90	2.50
plicata , Oregon.....	1.40	4.00	11.00
plicata , from Garden specimens.....	1.00	2.80	8.00
TILIA americana , Lake States.....		.60	1.50
americana , New England.....		.70	2.00
cordata .....		.60	1.65
platyphyllos .....		.50	1.25
tomentosa .....		.50	1.25
TORREYA californica.....		.90	2.50
nucifera .....		.65	1.75
TRACHYCARPUS excelsus (fortunei).....		.60	1.50
TSUGA canadensis , Northern crop. CERT.	2.00	5.60	16.00
diversifolia	1.25	3.30	9.00
heterophylla	2.50	6.80	18.50
mertensiana	2.65	7.00	19.00
sieboldi	1.15	3.10	8.50
ULEX europaeus.....	.45	.75	2.00
europaeus nanus.....	.75	2.00	
ULMUS americana			1.50
glabra (montana), Scotch Elm.....		.90	2.50
procera (campestris), English Elm.....		.90	2.50
pumila .....		.90	2.50
pumila , wings removed.....		1.35	3.75
UMBELLULARIA californica.....	.50	1.10	3.00
VACCINIUM canadense , d.b.....	.80	2.25	
corymbosum , d.b.....	.80	2.25	
corymbosum , d.b., from large fruited cultivated named varieties .....	.90	2.50	
pennsylvanicum (angustifolium), d.b.....	.90	2.50	
VIBURNUM acerifolium , d.b.....	.50	1.00	2.75
alnifolium , d.b.....	.50	1.25	3.50
americanum (trilobum), clean.....	.80	2.28	6.00
burkwoodi .....	.75 ¼ oz.	2.00	
carlesi , d.b., N. E.....	.75 ¼ oz.	2.00	
carlesi hybrids , forms intermediate between carlesi and bitchuiense, d.b.....	.75 ¼ oz.	2.00	
cassinoides , d.b.....	.50	1.25	3.50
dentatum , d.b.....		.70	2.00
dentatum , clean.....	.55	1.40	4.00
* dilatatum , clean.....	.50	1.25	3.25
lantana , clean.....	.60	1.50	
lantana rugosum , d.b., attractive foliage, large showy clusters of fruit.....	.60	1.50	4.25
lantaphyllum (lantana x rhytidophyllum).....	.50 ¼ oz.	1.50	
lentago , clean.....	.50	1.25	3.50
odoratissimum , clean.....	.50	1.25	3.50
opulus , clean.....	.50	1.25	3.25
prunifolium , clean.....	.60	1.50	4.25
rhytidophyllum , d.b.....	.50	1.35	3.75
sargentii , clean.....	.50	1.25	3.50
setigerum (theiferum) aurantiacum , clean, N.E., with conspicuous orange-red fruit.....	1.25	3.35	
tinus , clean.....		.75	2.00
wrightii , clean imported.....	.60	1.65	4.50
wrightii , from grafted specimens, N. E., clean.....	1.00	2.75	

VITEX <i>angustus-castus</i>.....	.60	1.50	
VITIS <i>coignetiae</i>.....	.50	1.10	3.00
<i>riparia</i> (odorata) the true, hardy Riverbank Grape, with fragrant flowers and sweet, very early ripening fruit	.90	2.50	
WASHINGTONIA <i>filifera</i>.....	.90	2.50	
<i>robusta</i>	1.00	2.75	
WEIGELA , garden varieties.....	1.00		
WISTERIA <i>floribunda</i> (multijuga) blue.....	.50	1.10	3.00
<i>floribunda</i> , blue, domestic, N. E.....	100 seeds	1.50	
<i>floribunda rosea</i> , domestic, N. E.....	100 seeds	2.00	
<i>floribunda</i> , white.....	.50	1.35	3.75
<i>frutescens</i> .....	.50	1.25	3.50
<i>sinensis</i> , blue.....	.50	.80	2.25
<i>sinensis</i> , white.....	.50	1.20	3.25
<i>sinensis</i> , blue, domestic, N. E.....	100 seeds	1.25	
XANTHOCERAS <i>sorbifolium</i>.....	.50	1.65	
ZELKOVA <i>serrata</i>	1.10	3.00	
ZIZYPHUS <i>jujuba</i> , clean.....	.80	2.25	

SEEDS — HERBACEOUS PERENNIALS — MISCELLANEOUS

	oz.	¼ lb.	lb.
ACHILLEA <i>filipendula</i> , Parker's variety.....	.50 ¼ oz.	1.50	
ACONITUM <i>napellus</i>.....	.40 ¼ oz.	.75	2.75
ADONIS <i>vernalis</i>.....	.85 ¼ oz.		
ALYSSUM <i>saxatile compactum</i>.....	.30 ¼ oz.	.75	2.75
<i>saxatile compactum</i> , home grown, extra compact selection	1.25	3.00	
ANCHUSA <i>italica</i> Dropmore, Gentian Blue.....	.45	1.10	3.25
<i>myosotidiflora</i>	1.25 ¼ oz.		
ANTHEMIS <i>kelway</i> , yellow.....	.40	1.25	
<i>tinctoria</i> , golden orange.....	.35 ¼ oz.	.90	
AQUILEGIA <i>coerulea</i> , true Rocky Mountain Longspurred Blue Columbine.....	.50 ⅙ oz., 1.25 ¼ oz.	4.50	
Longspurred Blue Shades, home grown strain perfected by years of selective breeding, plants 3 to 4 feet high with huge flowers.....	.75 ⅙ oz.	6.00	
Longspurred Crimson Star.....	.65 ⅙ oz.	3.75	
Longspurred Hybrids in mixture, choicest domestic strain, claimed by prominent grower superior to any, many unusual shades.....	.85 ⅙ oz.	7.00	
Longspurred Hybrids, Mrs. Scott Elliotts.....	.50 ¼ oz.	1.50	
ARABIS <i>alpina</i> , dwarf Snow Cap variety.....	.35 ⅙ oz.	1.50	
<i>alpina</i> , giant flowered, early.....	.30 ¼ oz.	.60	1.50
ARMERIA <i>formosa</i> hybrids.....	.45 ¼ oz.	1.00	
<i>formosa</i> , Giant Rose-Pink.....	.55 ⅙ oz.		
ASCELIAS <i>tuberosa</i>.....	.70 ¼ oz.	1.50	
ASPARAGUS <i>asparagoides</i> , Smilax of Florists.....	.50 ¼ oz.	1.25	
<i>plumosus nanus</i>.....	.50 ¼ oz.	1.25	3.75
<i>plumosus robustus</i>.....	.65 ¼ oz.	1.75	5.25
<i>sprengeri</i> .....	.45 ¼ oz.	1.25	3.75
ASTER <i>alpinus</i> , lg. flwd. Hybrids.....	.45 ¼ oz.	1.25	
ATROPA <i>belladonna</i>.....	.35 ¼ oz.	.90	
AUBRIETIA <i>leichtlini</i> , Carmine rose.....	.60 ¼ oz.	1.50	
<i>purpurea</i> , clear purple.....	.45 ¼ oz.	1.35	
Large Flowered Hybrids.....	.45 ¼ oz.	1.35	
BAPTISIA <i>australis</i>.....	.30 ¼ oz.	.85	2.70 7.50
CAMPANULA <i>carpatica</i> , blue, white or mixed, each.....	.35 ¼ oz.	.80	
<i>persicifolia</i> , white, blue or mixed — each.....	.50 ¼ oz.	1.25	
Telham Beauty.....	.45 ⅙ oz.	1.55	

	oz.	¼ lb.	lb.
CARNATION , hardy, early dwarf Vienna, white, rose, salmon rose, brickred, or mixed, each.....	.75 ¼ oz.	2.50	
Hardy Grenadin , Bright scarlet, King of the Blacks, Rose Queen, Pure White, Yellow Queen, each.....	.75 ¼ oz.	2.25	
Grenadin , choicest mixed.....	.60 ¼ oz.	2.00	
Simons' Triumph , hardy C. choice double blend .35 ⅙ oz., .75 ¼ oz.			
Teicher's , fine large flowered hardy strain, wide range of colors.....	.55 ⅙ oz., 1.50 ¼ oz.		
Teicher's Scarlet.....	.65 ⅙ oz., 1.75 ¼ oz.		
CERASTIUM tomentosum.....	.30 ¼ oz.	.65	
CHEIRANTHUS allioni A. Orange, B. Golden Bedder, each	.40	.70	2.00
CHRYSANTHEMUM Shasta Daisy , Alaska.....	.35 ¼ oz.	.60	
Snowdrift , giant flowered.....	.40 ¼ oz.	.85	
May Queen , earliest large flowered.....	.35 ¼ oz.	.60	
CHRYSANTHEMUM , true fall flowering Chrys. Early flowering, single, mixed.....	.75 ¼ oz.		
Early flowering, double, mixed.....	.75 ¼ oz.		
Korean Hybrids.....	.50 pkt., 1.25 ⅙ oz.		
CLEMATIS recta.....	.35 ¼ oz.	.75	
CONVALLARIA majalis.....	.35 ¼ oz.	1.00	
CYCLAMEN europaeum.....	.80 ⅙ oz.		
DELPHINIUM , all home grown, quality seeds in strains ac- climated to U. S. A. conditions:			
Belladonna Improved.....	.40 ⅙ oz., 1.00 ¼ oz.		
Bellamosum Improved.....	.40 ⅙ oz., 1.00 ¼ oz.		
Cardinale.....	.35 ⅙ oz., .60 ¼ oz.	2.00	
Gold Medal Hybrids.....	.35 ⅙ oz., .75 ¼ oz.	2.50	
Lamartine.....	.40 ⅙ oz., 1.00 ¼ oz.	3.50	
Pacific Giants Astolat series, novel pink shades with dark bee 1.00 ⅙ oz., 2.75 ¼ oz.			
Black Knight , dark blue.....	1.00 ⅙ oz., 2.50 ¼ oz.		
Blue Bird , clear medium blue, white bee 1.00 ⅙ oz., 2.50 ¼ oz.			
Blue Jay , brilliant medium clear blue, dark bee 1.00 ⅙ oz., 2.50 ¼ oz.			
Cameliard , pure lavender, white bee 1.00 ⅙ oz., 2.50 ¼ oz.			
Galahad , glistening white, very large flowers (to 3 inches).....	1.00 ⅙ oz., 2.50 ¼ oz.		
Guinevere , light pink-lavender, white bee 1.00 ⅙ oz., 2.50 ¼ oz.			
King Arthur , brilliant dark violet, white bee 1.00 ⅙ oz., 2.50 ¼ oz.			
Lancelot , clear lilac self.....	1.00 ⅙ oz., 2.50 ¼ oz.		
Percival , white black bee.....	1.00 ⅙ oz., 2.50 ¼ oz.		
Summer Skies , clear light blue.....	1.00 ⅙ oz., 2.50 ¼ oz.		
Pacific Giants , formula mixture of above varieties .75 ⅙ oz., 1.75 ¼ oz.			
DIANTHUS deltoides erecta , bright red.....	.50 ¼ oz.	1.50	
plumarius , Mayflower, early dwarf double.....	.50 ¼ oz.	1.75	
plumarius , semperflorens, Spring Beauty, double.....	.55 ¼ oz.	2.00	
plumarius , dwarf double.....	.45 ¼ oz.	1.25	
DICENTRA eximia.....	.55 ¼ oz.	2.00	
DICTAMNUS fraxinella rosea.....	.35 ¼ oz.	.80	2.50

		oz.	¼	lb.	lb.
DIGITALIS Shirley , best variety, large flowered, spotted					
	.25 ¼ oz.	.60			
purple .....	.25 ¼ oz.	.60			
white .....	.25 ¼ oz.	.50			
yellow .....	.25 ¼ oz.	.60			
DORONICUM caucasicum magnificum	1.25 ¼ oz.				
ECHINOPS rito.....		.45			
GYPHOPHILA paniculata , white.....	.35 ¼ oz.	.75	2.00		
paniculata, Double Snow Flake.....	.70 ¼ oz.	2.10			
repens, rose or white.....	.35 ¼ oz.	.90			
HELIANTHEMUM mutabile.....	.40 ¼ oz.	1.00			
HELLEBORUS niger.....	.50 ¼ oz.	1.30	3.60	10.00	
HIBISCUS moscheutos (palustris) N. E., true, native Rosa- Mallow, pink and rose.....		.50	1.50	4.50	
IBERIS sempervirens , Candytuft.....	.75 ¼ oz.	2.10			
LATHYRUS latifolius , Rose, N. E.....	.40 ¼ oz.	1.00			
latifolius, White Pearl, N. E.....	.40 ¼ oz.	1.00			
splendens .....	.70 ¼ oz.	2.00			
LAVANDULA vera (true Lavender).....	.50 ¼ oz.	1.50	4.50		
LINUM narbonense , Heavenly Blue.....	.50 ½ oz.				
LUPINUS arboreus , Golden Spire.....		.75			
polyphyllus, Blue.....		.30	.60	2.00	
Carmine King, carmine red.....		.40	1.00	3.00	
Rose .....		.40	1.00	3.00	
Rose and White (moerheimi), free blooming, fine compact habit.....	.30 ¼ oz.	.65	1.50		
Salmon Shades.....		.40	1.00	3.00	
Skyblue (coelestinus).....		.40	1.00	3.00	
Violet (atroviolaceus).....		.40	1.00	3.00	
White .....		.40	1.00	3.00	
Yellow Shades, true from seed.....		.50	1.25	3.00	
Mixed Colors.....		.35	.90	2.75	
English Hybrids, Art Shades of many colors .40 ¼ oz.		.80	2.10		
Russell Hybrids, home grown, N.E.....	.40 ¼ oz.	1.00	3.00		
Russell Hybrids, imported seed.....		.45	1.50	4.50	
LYCHNIS chalconica.....		.45	1.10	3.50	
viscaria splendens.....		.50	1.50		
MIMOSA pudica.....		.50	2.00		
NEPETA mussini.....	.45 ¼ oz.	.75			
OENOTHERA macrocarpa.....	.65 ¼ oz.				
missouriensis .....	.65 ¼ oz.				
PAEONIA officinalis.....		.45	1.25		
peregrina .....		.45	1.00		
PAPAVER nudicaule , Cardinal, deep red.....	.50 ⅛ oz.				
nudicaule, Coonara strain, salmon, rose and pink shades .....	.50 ⅛ oz.				
nudicaule, Gibson's New Orange.....	.50 ⅛ oz.				
nudicaule, Sanford's Giant strain.....	.45 ⅛ oz.	1.50			
orientale, stiff stemmed bracteata type.....	.40 ⅛ oz.				
orientale Hybrid varieties.....	.40 ⅛ oz.				
PHYSALIS francheti , Giant Lanterns.....	.45 ¼ oz.	1.00			
PLATYCODON Dwarf—Blue, White or Mixed , each.....	.50 ¼ oz.	1.50			
Early flowered, blue.....	.50 ¼ oz.	1.50			
PRIMULA auricula.....	.65 ⅛ oz.				
japonica .....	.60 ⅛ oz.				
veris, Blue Shades.....	.85 ⅛ oz.				
Giant Mahogany, mahogany-crimson.....	.75 ⅛ oz.				

oz. $\frac{1}{4}$ lb. lb.**PRIMULA** (continued)**Giant Munstead**, light shades.....**.65** $\frac{1}{8}$ oz.**Large flowered**, Border Mixture.....**.65** $\frac{1}{8}$ oz.**Gold Laced**.....**.50** $\frac{1}{8}$ oz.**Golden Yellow**.....**.50** $\frac{1}{8}$ oz.**Lutea**, bright Yellow.....**.50** $\frac{1}{8}$ oz.**Ruby Red**.....**.50** $\frac{1}{8}$ oz.**White****.50** $\frac{1}{8}$ oz.**Teicher's Colossal strain**, giant flowered, wide range
of colors.....**.75** $\frac{1}{8}$ oz.**PYRETHRUM**, **Giant Flowered**, double.....**1.25** $\frac{1}{4}$ oz. **3.50****James Kelway**, bright vermilion red, yellow center
.....**.65** $\frac{1}{4}$ oz. **1.75****Langport Scarlet**, large, single, lark crimson, scarlet
.....**.75** $\frac{1}{4}$ oz. **2.25****Robinson's Giants**, mixture.....**.65** $\frac{1}{4}$ oz. **1.75****Robinson's Dark Carmine**.....**.65** $\frac{1}{4}$ oz. **1.75****ROMNEYA coulteri**.....**.45** $\frac{1}{8}$ oz. **2.50****SAPONARIA ocymoides**.....**.40** $\frac{1}{4}$ oz. **.75****SCABIOSA caucasica goldingensis**, deep lavender.....**.60** $\frac{1}{4}$ oz. **2.00****caucasica**, House's strain.....**.75** $\frac{1}{4}$ oz. **2.00****caucasica perfecta**.....**.60** $\frac{1}{4}$ oz. **1.75****THERMOPSIS caroliniana**.....**.45** $\frac{1}{4}$ oz. **1.00** **2.75****THYMUS serpyllum**.....**.45** $\frac{1}{8}$ oz. **2.25****vulgaris****.35** $\frac{1}{8}$ oz. **1.25****TRIFOLIUM repens atropurpureum**.....**.50** $\frac{1}{8}$ oz.**TRITOMA semperflorens**, early hybrids.....**.50** $\frac{1}{4}$ oz. **1.25****uvaria grandiflora**.....**.45** $\frac{1}{4}$ oz. **1.00****TROLLIUS europaeus**, lemon yellow.....**.55** $\frac{1}{4}$ oz. **1.25****Orange Globe**, dark yellow.....**.35** $\frac{1}{16}$ oz., **.85** $\frac{1}{4}$ oz.**Ledebouri**, dark orange.....**.35** $\frac{1}{16}$ oz., **.85** $\frac{1}{4}$ oz.**YUCCA filamentosa**.....**.45** $\frac{1}{4}$ oz. **1.00** **3.00****ZOYSIA japonica**, promising new Turf Grass from Japan.....**1.10** **3.00****AZALEA HYBRIDS**

If exclusively taken from this section please have your order amount to at least \$3.00. Packets as offered contain several hundred seeds.

AZALEA — Deciduous:**Altaclarensis** (mollis x viscosa) orange yellow, blotched
.....**.75** pkt., **2.00** $\frac{1}{16}$ oz.**Embley Hybrids** — a parallel development of the Exbury

Hybrids — all colors, shades of yellow, pink, red

1.00 pkt., **2.00** $\frac{1}{32}$ oz., **6.00** $\frac{1}{8}$ oz.**Embley Apricot**, apricot pink
1.00 pkt., **2.00** $\frac{1}{32}$ oz., **6.00** $\frac{1}{8}$ oz.**Ghent Hybrids**, all colors.....**1.25** $\frac{1}{16}$ oz., **3.75** $\frac{1}{4}$ oz.**Exbury Hybrids**, choice race, a separate development of**Knaphill Hybrids**, all colors.....**1.00** pkt., **2.00** $\frac{1}{32}$ oz.**Knaphill Hybrids**, the result of prolonged breeding inter-
crossing mollis, pontica (ghent), calendulacea and
occidentalis strains.....**1.00** pkt., **2.00** $\frac{1}{32}$ oz., **6.00** $\frac{1}{8}$ oz.**Mollis Hybrids** (mollis x japonica)
All — **.75** pkt., **1.00** $\frac{1}{32}$ oz., **3.00** $\frac{1}{8}$ oz.**Koster's Brilliant Red**, glossy orange red**Lemonora**, apricot, center rose

oz. $\frac{1}{4}$ lb. lb.**AZALEA HYBRIDS** (continued)

Mrs. Oliver Slocock, rich orange-yellow, suffused
terra-cotta

Robespierre, orange-red

Mollis Hybrids, from choice collection of named
varieties.....1.25 $\frac{1}{16}$ oz., 3.00 $\frac{1}{4}$ oz.

AZALEA — Evergreen (New England grown):

Hinodegiri.....1.00 $\frac{1}{32}$ oz.

Hinodegiri x mucronata (ledifolia), vigorous, free bloom-
ing Hybrids......75 pkt., 1.50 $\frac{1}{32}$ oz.

indica (macrantha), garden varieties, N. E.....1.00 pkt.

"indica" (Indica Hybrids of Florists).....75 $\frac{1}{16}$ oz., 1.65 $\frac{1}{4}$ oz. 4.50

Indica Hybrid x mucronata, large lavender flowers

1.00 pkt.

Maxwelli x scabra, large flowered, red.....1.00 pkt.

Obtusa arnoldiana (obt. amoena x obt. kaempferi)

Cardinalis, deep red.....75 pkt., 1.50 $\frac{1}{32}$ oz.

Pink and Rose shades.....65 pkt., 1.25 $\frac{1}{32}$ oz.

Obtusa kaempferi x mucronata (ledifolia), Hazel Dawson,
large flowered reddish-violet.....1.00 pkt.

Obtusa kaempferi hybrids, of kaempferi x malvatica and
kaempferi x hinodegiri parentage, hardy and free
blooming race in shades of pink and rose, light
purple, red and mixed each

.65 pkt., 1.25 $\frac{1}{32}$ oz., 3.50 $\frac{1}{8}$ oz.

Also White.....1.00 pkt.

Obtusa kurume, from named varieties.....75 pkt.

Sanderi Hybrids, strain offered is of apparent obtusa
kaempferi x indica (macrantha) parentage, very free
blooming, resembling and succeeding the "Malvatica"
Hybrids.

Rose and Salmon shades.....1.00 pkt., 2.00 $\frac{1}{32}$ oz.

Scarlet1.00 pkt., 2.00 $\frac{1}{32}$ oz.

RHODODENDRON HYBRIDS

All packet lots offered contain several hundred seeds.

A. AMERICAN (NEW ENGLAND) GROWN:

Britannia x fortunei, from a group of selected plants,
habit medium, fairly compact, colors, pink and rose
shades.....1.00 pkt., 2.75 $\frac{1}{8}$ oz.

Catawbiense Hybrids

Seed from album elegans, selections, tall and fast
growing, quite true from seeds in shades of white
and blush.....1.00 $\frac{1}{32}$ oz., 3.00 $\frac{1}{8}$ oz.

Pink and rose shades.....1.00 $\frac{1}{16}$ oz., 3.00 $\frac{1}{4}$ oz.

Seed from red flowered plants.....1.25 $\frac{1}{16}$ oz., 3.75 $\frac{1}{4}$ oz.

Mixed seeds.....1.00 $\frac{1}{16}$ oz., 2.75 $\frac{1}{4}$ oz.

Catawbiense Red flowered Hybrids x Fortunei, seed
from Red Flowered selections with bright foliage,
medium habit.....1.00 pkt., 2.50 $\frac{1}{32}$ oz.

Catawbiense x Maximum (Wellesleyanum)......50 $\frac{1}{32}$ oz.

Decorum x Mrs. C. S. Sargent.....1.00 pkt.

Discolor Hybrids.....1.00 pkt.

Discolor x Griersonianum.....1.00 pkt.

Fortunei x Haematodes.....1.00 pkt.

RHODODENDRON HYBRIDS (continued)

- Fortunei x Hardy Hybrids**, free blooming selections, low, compact habit.....**1.00 pkt.**
Fortunei x Hardy Hybrids, tall, rose flowered selection of extreme hardiness, being pollen sterile. Seed produced is the result of hand pollination with fortunei. Seedlings all will show the hybrid vigor of F₁ generation**1.00 pkt., 2.50 $\frac{1}{32}$ oz.**
Smirnowi x Hardy Hybrids.....**1.00 $\frac{1}{32}$ oz.**

B.

Selection of **Popular Varieties** as grown by **English nurserymen**. All are time tested and valued for their hardiness, good foliage, full flower trusses, ability to stand exposure:

- Varieties each.....**1.25 $\frac{1}{32}$ oz., 3.75 $\frac{1}{8}$ oz.**
Alice, rose pink
Ascot Brilliant, deep crimson
Azor x griersonianum
Bagshot Ruby, blood-crimson
Beauty of Littleworth (griffith hyb.), white
Britannia, bright crimson red
Corona, coral pink
Discolor x griersonianum
Doncaster, scarlet crimson
Earl of Athlone, bright blood-red
Geoffrey Millais, white
Goldsworth Pink, pink
Iveryanum, scarlet
Jersey Cream, creamy yellow
J. J. De Vink, glowing crimson
Lady Clementine Mitford, peach pink, deeper margin
Lady Primrose, lemon yellow, red spots
Loder's White, pale mauve passing to pure white, large trusses
Madame de Bruin, cerise red
Meg Merillies, creamy white, shaded yellow and apricot
Mother of Pearl, blush turning snow-white
Mrs. A. R. Bide, deep pink, with brown-crimson ray
Pink Pearl, rose-pink
Queen Wilhelmina, large luminous cerise red
Rose Perfection, deep rose shaded glowing crimson
White Queen, pure white
Williamsianum Hybrids
Yellow Loderi, yellow
Blend of all varieties.....**2.00 $\frac{1}{16}$ oz., 6.00 $\frac{1}{4}$ oz.**

C. RHODODENDRON HYBRIDS as listed in **Rhododendron Stud Book** of the Royal Horticultural Society. Most all of recent origin, some classical hybrids of long standing. Seedling material of outstanding vigor and brightness may be expected from all of these.

- Unless priced otherwise — **Packets 1.00 each, 1.50 $\frac{1}{32}$ oz.**
Aladdin (grierson. x auricul.), brilliant salmon-cerise
Albatross (Loderi x discolor), tall growing, large leaved, large trusses, white to shell pink.
Aurora (Kewense x thomsoni)
Azor (gries. x discolor), soft salmon pink trumpet
Bonito (discolor x Luscombei), white, chocolate blotch
Bowbells (Corona x williamsonianum)
Carmania (Souvenir of Anthony Waterer x eriogynum)

oz. ¼ lb. lb.

RHODENDRON HYBRIDS (continued)**Cornish Cross** (thoms. x griffl.), superb foliage, large crimson trusses**Cremorne** (Luscombei x campyl.), rose pink passing to soft yellow**Cupid** (griff. x Luscombei)**Exminster** (thomsoni x compyllocarpum) form offered is the natural Hybrid**Fabia** (dichr. x grierson.), low spreading, orange-salmon**Fireball** (barbatum x Ascot Brilliant), bright red**Garnet** (griff. x Broughtoni), bright pink**Goldsworth Yellow** (caucas. x campyl.), apricot changing to yellow**Hawk** (wardi x Lady Bessborough).....1.25 pkt.**Idealist** (wardi x Naomi).....1.25 pkt.**Inamorata** (wardi x discolor).....1.25 pkt.**Isabella** (griff. x auric.), large fragrant white**Josephine** (wardi x Ayah).....1.25 pkt.**Kewense** (griffithianum x discolor)**Lady Bessborough** (disc. x campyl. elatum), vigorous shrub, creamy yellow-orange, pink-maroon blotch**Lady Chamberlain** (cinnabarinum var. Roylei x Royal Flush)**Lodaurea** (Loderi x auricul.), large grower; huge trumpets, white, fragrant late**Loderi** (griff. x fort.)**Variant King George**, pink buds opening white**Variant Venus**, white, pink, flushed**Variant White Diamond**, clear blush**Luscombei** (fort. x thoms.), large pink, excellent foliage**Master Dick** (griers. x Don), large trusses, carmine-scarlet**Mrs. Kingsmill** (Penjerrik, A. M. var.) (campyl. el. x griff.) yellow**Orestes** (Shilsoni x griers.), soft orange-pink**Pink Shell** (griff. x H. M. Ardene), rose-pink**Polar Bear** (diaprepes x auric.), magnificent late flowering giant, large white trusses.....2.00 pkt.**Prelude** (wardi x fortunei).....1.25 pkt.**Queen o' the May** (Pink Bell x griers), excellent white**Rosabel** (Pink Shell x grier.), large pale pink, darker veins**Sarita Loder** (griers. x Loderi), large pink trumpets, large loose trusses**Shilsoni** (thoms. x barb.), deep crimson red**Snow Queen** (griff. x maximum x Loderi), pure white**Souldis** (soulei x disc.), large trusses, white bell shaped flowers**Tally Ho** (griers. x eriogynum), bright vermillion**Touchstone** (griff. x ?), Neyron rose**Blend of Stud Book varieties**.....2.50 ⅙ oz., 7.50 ¼ oz.

NOTES OF INTEREST

DORMANCY IN SEEDS OF PINE, SPRUCE, OTHER CONIFERS — Failure to germinate promptly certain conifer seeds is often due to the fact that no consideration had been given to dormancy factors. Seeds most usually concerned are: — White Spruce, White Pine, other Pines of the Cembra, Flexilis and Strobilus groups.

In Fir (*Abies*), Hemlock (*Tsuga*), Douglas Fir (*Pseudotsuga*), Larch (*Larix*), Sitka Spruce dormancy occurrence is variable with dormancy found in some lots and none in others.

In Blue Spruce (*Picea pungens*) fifty percent of seed are dormant, the other half fast germinating.

Late spring planting of all of the before mentioned is apt to result in total failure or partial germination only. Fall planting of some, early spring planting for others or pre-treatment (stratification) of seed lots will be required for best results. Growers are requested: —

A. To consult reference books for these problems.

B. For earliest spring planting to prepare their beds in the fall, not to touch bed surface at sowing time but to dress with dry peatmoss, sow and cover with peatmoss and shades. Boarding-in of beds will facilitate this procedure.

SEED CERTIFICATION —

Inquiries received show that the subject of certification is improperly understood by many.

With the importance of seed certification rightly stressed by pertinent authorities we wish to explain our opinion.

Our endeavor for many years, has been to secure supplies from sources of long standing, experienced in their respective fields. We request with our bulk purchases for forest seeds, certificates as to origins. These we find to be of various nature: some to be personal statements, some by chambers of commerce, some by forestry agencies. There do not exist international regulations covering the subject of certification but moves in the direction of international control are on the way.

Forest seeds are a commodity quite different from field seeds as grown on broad acreages and readily controlled. Collection of forest seeds, in many instances, is done by small private enterprises and quite necessarily so with the remoteness of some of the choicest collection areas. There are often concerned single seed sources with no alternates.

Effective control of seed collection by national boards, under international regulations may not be possible without a cumbersome setup, which surely would result in higher prices and delayed deliveries from source to consumer, especially from abroad.** Restrictive regulations may rather stifle than further the expensive and strenuous job of cone collection with which the initial source has to cope.

Certified seed do not necessarily have to be expensive. Seed prices are governed primarily by the availability of cone pickers and the extent and conditions of crops. The certificate involved is a small expense item in itself.

Validity of seed certification, today, depends prevailingly on the good will of collecting and distributing parties.

****Note** — A delay of approximately four weeks already is caused by implementation of present U.S. entry regulations.

HOW TO GERMINATE CAMELLIA SEEDS —

With the mounting interest for Camellia growing in the North (Camellias will winter in Southern New England), the growing of plants from seed for selection of better types with blooming habits to suit northern climes becomes a necessity.

Trials with *Camellia* seeds, conducted over many years, have conclusively brought home the fact that seeds will not respond to customary planting methods.

Proceedings, as described in English text books, have never worked with us but may possibly do with freshly picked seeds. Our own trials invariably were made with seeds imported from Europe or Japan. Planting in various soil mixtures always resulted in seed decay. Good results, over many years, were obtained with late winter or spring planting in a cold house, under shade, in containers filled with shredded *Sphagnum Moss*, with seeds imbedded in the moss to a depth of two to three inches.

Watered with moderation seedlings from late winter plantings will appear in June, from spring plantings in July and quickly develop into sturdy little plants.

AZALEA — Attention again is called to the *Kaempferi* Hybrids (*A. obtusa kaempferi* crosses with *malvatica* and *hinodegiri*) exceeding, as garden plants, the parent races. They are compact in habit, more amenable to exposure, larger of flower, extremely free blooming in bright colors, hardy to Zone 5. A good word should also be said in favor of the *Arnoldiana* Hybrids of similar parentage. Even hardier than the preceding they are taller in habit. Their true charm and flower quality is revealed only when they have achieved some stature. While the Hybrids are true garden subjects, requiring no over-head shade the parent type *Azalea obtusa kaempferi* is unexcelled for naturalizing in woodland settings, where it can be counted upon to give quicker results than the native *Azaleas*.

AZALEA MUCRONATA (*indica alba*, *ledifolia alba*) — This splendid large flowered *Azalea*, one of the oldest in cultivation and most widely planted in the Orient, grown from seed, will produce surprisingly hardy generations of seedlings. The white and the earlier, white-flushed amethyst form are both of delicate fragrance. The hybrid form with *kaempferi*, Hazel Dawson, reddish violet is even larger flowered and produces seedlings of much the same color. Plants of this group winter successfully in open nursery rows on Cape Cod. All seem to require an occasional application of fertilizer for best performance.

COTONEASTER — *C. lactea* (*parneyi*) — vigorous semi-evergreen, large leaved shrub of spreading habit. In Southern New England it is at its best at Christmas time with clusters of bright red berries contrasting with the dark green foliage.

SPARTIUM JUNCEUM-WEAVERSBROOM — Splendid shrub for dry locations with bright yellow flowers in late spring. More refined and tidy in habit than *Cytisus scoparius*. Hardy to Southern New England.

RHODODENDRON — *Rh. fortunei* the hardiest of the large leaved species of the *fortunei* series wintering well in Southern Massachusetts, fairly early blooming and starting to bloom when young. Plants obtain considerable size improving in flowering display year after year, large plants making an impressive showing with a profusion of blush or rosy lilac flowers. Flowers are seven lobed and of heavy substance, lasting considerably longer than those of ordinary *Rhododendron*. Plants require side shelter but do best with over-head exposure in full sun in these parts.

PINE LORE

With many growers confused as to what strains of Scotch Pine to plant we feel competent in giving the following suggestions:

Practically all strains are, for some condition or other suitable both for forest planting, i.e., timber production and for use as ornamentals or Christmas trees.

In general two major races of Scotch Pine concern us here:

Strains from Northern Europe growing on the sandy plains which stretch from the coast of Belgium and Holland all the way east to, and around, the shores of the Baltic Sea. They are considered good strains for reforestation, grow comparatively fast, but usually have the objectionable feature of foliage discoloration with the approach of cold weather. They all do best on deep, sandy soils. If planted on better soils plants have a tendency to "overeat," grow too fast and are prone to fall prey to disease and insect infestations. As an exception as to winter color the Pine strain of the North German low plain warrants attention. There have been favorable reports lately from growers indicating a possibility for Christmas tree production. Trees about twenty years old, on our own land, have shown only the slightest of foliage discolorations during the cold months in comparison to definite yellowing of Riga strain (Latvia) trees. Summer color, somewhat more intense than with the latter, is a bright-bluish green. Needles are from $2\frac{1}{2}$ - 3 inches long, a trifle wider and heavier in texture than those of the 2 - $2\frac{1}{4}$ inches long of the Riga strain. Bud count shows, as a rule, five well developed side buds around the terminal. Seasonable increase is moderate, little in excess of Riga strain trees. We will supply certified seed from selected stands, collected under supervision of state foresters. This strain should do well in soils with low nitrogen tests and especially well on sand.

The **mountain strains** from various origins in Europe usually growing on stony soils are better adapted for all around planting. It is from these strains that best results can be expected for use as Christmas trees. Grown on sandy soils plants from these strains may require feeding to show best foliage color.

PINUS MUGO (MONTANA) — which is much planted on mountain slopes and steep banks to stop erosion, rock and snow slides, is of equal value for stopping wind erosion of dune lands in coastal districts. Closely planted it will form, in time, impenetrable thickets, a barrier to wind-blown sand, a refuge for wild life.

PINUS MUGO PUMILIO — Shrubby Swiss Pine as indicated by its form name Pumilio i.e. Dwarf, is the dwarfiest of the Mountain Pines. Seed, certified as to origin, comes, we are assured, from pure stands at high altitude, 4,300-4,800 feet, without presence of trees of the Tree Swiss Pine (rostrata) to influence the dwarf habit by cross-pollination.

BOOKS

General information as to how and when to plant, as often requested, cannot be given in letter form.

Purchase of suitable books along these lines, we believe, is the best initial investment a beginner can make toward success in his endeavor.

Books No. 11, 12, 15 can be especially recommended.

1. **AZALEAS, KINDS AND CULTURE** By HAROLD HUME
Complete treatise covering selection, propagation, soil and soil preparation, planting, cultivation and care of these beautiful shrubs. Book is lavishly illustrated with 68 prints and eight color plates 199 pages **\$5.00**
Books by Alfred C. Hottes — General information, propagation included, about Trees, Shrubs and Perennials:
2. **THE BOOK OF TREES** — 448 pages — 200 illustrations . . . **\$4.00**
3. **BOOK OF SHRUBS** — 448 pages — 191 illustrations . . . **\$4.00**
4. **BOOK OF PERENNIALS** — 280 pages — 103 illustrations . . . **\$2.75**
5. **CULTIVATED CONIFERS IN NORTH AMERICA** By DR. L. H. BAILEY
404 pages, 48 full page photos, 114 line drawings. Approximately 1000 conifers (species and varieties together) propagation, care, diseases, protection **\$13.50**
6. **FLORIST CROP PRODUCTION AND MARKETING**
By KENNETH POST, Ph.D.
The application of scientific facts to the production and marketing of florist cut-flowers, potted plants and bulbs grown in the greenhouse or in the field. 906 pages, profusely illustrated **\$10.00**
7. **HANDBOOK OF THE TREES OF THE NORTHERN STATES AND CANADA** By ROMEYN B. HOUGH
417 pages, 498 photographs showing trunk, leaves, twigs and fruits of each tree **\$6.75**
8. **HORTUS SECOND** By L. H. and ETHEL ZOE BAILEY
A concise dictionary of Gardening and General Horticulture. Apart from general information invaluable as a plant directory alone **\$7.50**
9. **MANUAL OF CULTIVATED TREES AND SHRUBS** By ALFRED REHDER
The best reference book available, covering in detail every hardy tree and shrub in cultivation. 966 pages **\$12.50**

BOOKS

10. MODERN ROSES IV

McFARLAND

Compiled by J. Horace McFarland Co., and the American Rose Society. Rose Species described by Dr. George H. M. Lawrence of Bailey Hortorium, Cornell University.

Here is the latest edition of the rose directory consulted by rosarians for more than twenty years. The book is not limited to Modern roses in a strict sense, but also included varieties that are of historical or botanical importance. Straightforward, non-technical descriptions of 6,150 Roses including 300 species. Here you will find:—

Description of the flower and plant, with correct name and all known synonyms, class to which each variety belongs, name of originator and introducer, with date of introduction.

Pronunciation of many variety names, to make every-day usage easier.

Originators' Lists of all roses credited to an individual or firm.

Record of Patented Roses **7.50**

11. THE NURSERY MANUAL

By L. H. Bailey

Propagation by seed, layering, cuttings, budding and grafting, covering list of plants in alphabetical order, control of insects and diseases. 240 illustrations, 465 pages **\$5.75**

12. SEEDING AND PLANTING IN THE PRACTICE OF FORESTRY

By I. W. TOUMEN and C. F. KORSTEIM

507 pages, 2nd edition. The best book on the subject . . . **\$7.00**

13. STANDARDIZED PLANT NAMES

New second edition. Reference book to 90,000 Common and Scientific names **\$10.50**

14. WILD FLOWERS AND HOW TO GROW THEM By EDWIN F. STEFFEK

100 Illustrations—50 in Full Color

Described as the first and only practical book on the cultivation of wild flowers, with full information on where to find them, how to identify them positively, how to transplant and propagate

\$3.95

15. "WOODY-PLANT SEED MANUAL"—with many illustrations and tables. The best new publication in a generation for those who are concerned with the intricate subject of knowledge and treatment of seeds of woody plants comes from the U. S. Department of Agriculture.

Prepared by the Forest Service—Miscellaneous Publication No. 654, for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. Please do not order from us.

Book prices are postpaid in U. S. A. Terms net cash with order.

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